

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/512,004
Source: Pg 110
Date Processed by STIC: 10/29/04

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/512,004

TIME: 12:15:27

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\10292004\J512004.raw

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5 <110> APPLICANT: Association Francaise contre les Myopathies
7      Hellenic Pasteur Institute
9      Tzartos, Socrates
11     Mamalaki, Avgi
15 <120> TITLE OF INVENTION: Production of recombinant fragments of muscle acetylcholine
receptor and
16     their use for ex vivo immunoadsorption of anti-ACh receptor antibodies
17     from myasthenic patients
19 <130> FILE REFERENCE: PCT/GR03/00014
C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/512,004
C--> 25 <141> CURRENT FILING DATE: 2004-10-18
29 <160> NUMBER OF SEQ ID NOS: 5
33 <170> SOFTWARE: PatentIn version 3.1
37 <210> SEQ ID NO: 1
39 <211> LENGTH: 233
41 <212> TYPE: PRT
43 <213> ORGANISM: Pichia pastoris
47 <220> FEATURE:
49 <221> NAME/KEY: CARBOHYD
51 <222> LOCATION: (143)..(143)
53 <223> OTHER INFORMATION:
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59 Glu Phe Ser Glu His Glu Thr Arg Leu Val Ala Lys Leu Phe Lys Asp
60 1          5          10          15
63 Tyr Ser Ser Val Val Arg Pro Val Glu Asp His Arg Gln Val Val Glu
64          20          25          30
67 Val Thr Val Gly Leu Gln Leu Ile Gln Leu Ile Asn Val Asp Glu Val
68          35          40          45
71 Asn Gln Ile Val Thr Thr Asn Val Arg Leu Lys Gln Gln Trp Val Asp
72          50          55          60
75 Tyr Asn Leu Lys Trp Asn Pro Asp Asp Tyr Gly Gly Val Lys Lys Ile
76 65          70          75          80
79 His Ile Pro Ser Glu Lys Ile Trp Arg Pro Asp Leu Val Leu Tyr Asn
80          85          90          95
83 Asn Ala Asp Gly Asp Phe Ala Ile Val Lys Phe Thr Lys Val Leu Leu
84          100         105         110
87 Gln Tyr Thr Gly His Ile Thr Trp Thr Pro Pro Ala Ile Phe Lys Ser
88          115         120         125
91 Tyr Cys Glu Ile Ile Val Thr His Phe Pro Phe Asp Glu Gln Asn Cys
92          130         135         140
95 Ser Met Lys Leu Gly Thr Trp Thr Tyr Asp Gly Ser Val Val Ala Ile
96 145         150         155         160
99 Asn Pro Glu Ser Asp Gln Pro Asp Leu Ser Asn Phe Met Glu Ser Gly
100         165         170         175

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103 Glu Trp Val Ile Lys Glu Ser Arg Gly Trp Lys His Ser Val Thr Tyr
 104 180 185 190
 107 Ser Cys Cys Pro Asp Thr Pro Tyr Leu Asp Ile Thr Tyr His Phe Val
 108 195 200 205
 111 Met Gln Arg Leu Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser
 112 210 215 220
 115 Ala Val Asp His His His His His His
 116 225 230

119 <210> SEQ ID NO: 2

121 <211> LENGTH: 240

123 <212> TYPE: PRT

125 <213> ORGANISM: Pichia pastoris

129 <220> FEATURE:

131 <221> NAME/KEY: CARBOHYD

133 <222> LOCATION: (46)..(46)

135 <223> OTHER INFORMATION:

139 <220> FEATURE:

141 <221> NAME/KEY: CARBOHYD

143 <222> LOCATION: (157)..(157)

145 <223> OTHER INFORMATION:

W--> 149 <400> 2

151 Glu Ala Glu Ala Tyr Val Asp Tyr Lys Asp Asp Asp Asp Lys Glu Phe
 152 1 5 10 15
 155 Arg Asn Gln Glu Glu Arg Leu Leu Ala Asp Leu Met Gln Asn Tyr Asp
 156 20 25 30
 159 Pro Asn Leu Arg Pro Ala Glu Arg Asp Ser Asp Val Val Asn Val Ser
 160 35 40 45
 163 Leu Lys Leu Thr Leu Thr Asn Leu Ile Ser Leu Asn Glu Arg Glu Glu
 164 50 55 60
 167 Ala Leu Thr Thr Asn Val Trp Ile Glu Met Gln Trp Cys Asp Tyr Arg
 168 65 70 75 80
 171 Leu Arg Trp Asp Pro Arg Asp Tyr Glu Gly Leu Trp Val Leu Arg Val
 172 85 90 95
 175 Pro Ser Thr Met Val Trp Arg Pro Asp Ile Val Leu Glu Asn Asn Val
 176 100 105 110
 179 Asp Gly Val Phe Glu Val Ala Leu Tyr Cys Asn Val Leu Val Ser Pro
 180 115 120 125
 183 Asp Gly Cys Ile Tyr Trp Leu Pro Pro Ala Ile Phe Arg Ser Ala Cys
 184 130 135 140
 187 Ser Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu
 188 145 150 155 160
 191 Ile Phe Gln Ser Gln Thr Tyr Ser Thr Asn Glu Ile Asp Leu Gln Leu
 192 165 170 175
 195 Ser Gln Glu Asp Gly Gln Thr Ile Glu Trp Ile Phe Ile Asp Pro Glu
 196 180 185 190
 199 Ala Phe Thr Glu Asn Gly Glu Trp Ala Ile Gln His Arg Pro Ala Lys
 200 195 200 205
 203 Met Leu Leu Asp Pro Ala Ala Pro Ala Gln Glu Ala Gly His Gln Lys
 204 210 215 220

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207 Val Val Phe Tyr Leu Leu Ile Gln Arg Lys His His His His His His
 208 225 230 235 240

211 <210> SEQ ID NO: 3

213 <211> LENGTH: 241

215 <212> TYPE: PRT

217 <213> ORGANISM: Pichia pastoris

221 <220> FEATURE:

223 <221> NAME/KEY: CARBOHYD

225 <222> LOCATION: (82)..(82)

227 <223> OTHER INFORMATION:

231 <220> FEATURE:

233 <221> NAME/KEY: CARBOHYD

235 <222> LOCATION: (157)..(157)

237 <223> OTHER INFORMATION:

W--> 241 <400> 3

243 Glu Ala Glu Ala Tyr Val Asp Tyr Lys Asp Asp Asp Asp Lys Glu Phe
 244 1 5 10 15

247 Lys Asn Glu Glu Leu Arg Leu Tyr His His Leu Phe Asn Asn Tyr Asp
 248 20 25 30

251 Pro Gly Ser Arg Pro Val Arg Glu Pro Glu Asp Thr Val Thr Ile Ser
 252 35 40 45

255 Leu Lys Val Thr Leu Thr Asn Leu Ile Ser Leu Asn Glu Lys Glu Glu
 256 50 55 60

259 Thr Leu Thr Thr Ser Val Trp Ile Gly Ile Asp Trp Gln Asp Tyr Arg
 260 65 70 75 80

263 Leu Asn Tyr Ser Lys Asp Asp Phe Gly Gly Ile Glu Thr Leu Arg Val
 264 85 90 95

267 Pro Ser Glu Leu Val Trp Leu Pro Glu Ile Val Leu Glu Asn Asn Ile
 268 100 105 110

271 Asp Gly Gln Phe Gly Val Ala Tyr Asp Ala Asn Val Leu Val Tyr Glu
 272 115 120 125

275 Gly Gly Ser Val Thr Trp Leu Pro Pro Ala Ile Tyr Arg Ser Val Cys
 276 130 135 140

279 Ala Val Glu Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu
 280 145 150 155 160

283 Ile Phe Arg Ser Gln Thr Tyr Asn Ala Glu Glu Val Glu Phe Thr Phe
 284 165 170 175

287 Ala Val Asp Asn Asp Gly Lys Thr Ile Asn Lys Ile Asp Ile Asp Thr
 288 180 185 190

291 Glu Ala Tyr Thr Glu Asn Gly Glu Trp Ala Ile Asp Phe Cys Pro Gly
 292 195 200 205

295 Val Ile Arg Arg His His Gly Gly Ala Thr Asp Gly Pro Gly Glu Thr
 296 210 215 220

299 Asp Val Ile Tyr Ser Leu Ile Ile Arg Arg Lys His His His His His
 300 225 230 235 240

303 His

307 <210> SEQ ID NO: 4

309 <211> LENGTH: 240

311 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 10/29/2004

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Input Set : A:\PTO.FG.txt

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313 <213> ORGANISM: Pichia pastoris

317 <220> FEATURE:

319 <221> NAME/KEY: CARBOHYD

321 <222> LOCATION: (92)..(92)

323 <223> OTHER INFORMATION:

327 <220> FEATURE:

329 <221> NAME/KEY: CARBOHYD

331 <222> LOCATION: (185)..(185)

333 <223> OTHER INFORMATION:

W--> 337 <220>

339 <221> NAME/KEY: CARBOHYD

341 <222> LOCATION: (159)..(159)

343 <223> OTHER INFORMATION:

W--> 347 <400> 4

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350 1 5 10 15

353 Leu Asn Glu Glu Glu Arg Leu Ile Arg His Leu Phe Gln Glu Lys Gly

354 20 25 30

357 Tyr Asn Lys Glu Leu Arg Pro Val Ala His Lys Glu Glu Ser Val Asp

358 35 40 45

361 Val Ala Leu Ala Leu Thr Leu Ser Asn Leu Ile Ser Leu Lys Glu Val

362 50 55 60

365 Glu Glu Thr Leu Thr Thr Asn Val Trp Ile Glu His Gly Trp Thr Asp

366 65 70 75 80

369 Asn Arg Leu Lys Trp Asn Ala Glu Glu Phe Gly Asn Ile Ser Val Leu

370 85 90 95

373 Arg Leu Pro Pro Asp Met Val Trp Leu Pro Glu Ile Val Leu Glu Asn

374 100 105 110

377 Asn Asn Asp Gly Ser Phe Gln Ile Ser Tyr Ser Cys Asn Val Leu Val

378 115 120 125

381 Tyr His Tyr Gly Phe Val Tyr Trp Leu Pro Pro Ala Ile Phe Arg Ser

382 130 135 140

385 Ser Cys Pro Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys

386 145 150 155 160

389 Ser Leu Lys Phe Ser Ser Leu Lys Tyr Thr Ala Lys Glu Ile Thr Leu

390 165 170 175

393 Ser Leu Lys Gln Asp Ala Lys Glu Asn Arg Thr Tyr Pro Val Glu Trp

394 180 185 190

397 Ile Ile Ile Asp Pro Glu Gly Phe Thr Glu Asn Gly Glu Trp Glu Ile

398 195 200 205

401 Val His Arg Pro Ala Arg Val Asn Val Asp Pro Arg Ala Pro Leu Asp

402 210 215 220

405 Ser Pro Ser Arg Gln Asp Ile Thr Phe Tyr Leu Ile Ile Arg Arg Lys

406 225 230 235 240

409 <210> SEQ ID NO: 5

411 <211> LENGTH: 243

413 <212> TYPE: PRT

415 <213> ORGANISM: Pichia pastoris

419 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 10/29/2004

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\10292004\J512004.raw

421 <221> NAME/KEY: CARBOHYD

423 <222> LOCATION: (157)..(157)

425 <223> OTHER INFORMATION:

W--> 429 <400> 5

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431 Glu Ala Glu Ala Tyr Val Asp Tyr Lys Asp Asp Asp Asp Lys Glu Phe
432 1      5      10      15
435 Ser Glu Ala Glu Gly Arg Leu Arg Glu Lys Leu Phe Ser Gly Tyr Asp
436      20      25      30
439 Ser Ser Val Arg Pro Ala Arg Glu Val Gly Asp Arg Val Arg Val Ser
440      35      40      45
443 Val Gly Leu Ile Leu Ala Gln Leu Ile Ser Leu Asn Glu Lys Asp Glu
444      50      55      60
447 Glu Met Ser Thr Lys Val Tyr Leu Asp Leu Glu Trp Thr Asp Tyr Arg
448 65      70      75      80
451 Leu Ser Trp Asp Pro Ala Glu His Asp Gly Ile Asp Ser Leu Arg Ile
452      85      90      95
455 Thr Ala Glu Ser Val Trp Leu Pro Asp Val Val Leu Leu Asn Asn Asn
456      100     105     110
459 Asp Gly Asn Phe Asp Val Ala Leu Asp Ile Ser Val Val Val Ser Ser
460      115     120     125
463 Asp Gly Ser Val Arg Trp Gln Pro Pro Gly Ile Tyr Arg Ser Ser Cys
464      130     135     140
467 Ser Ile Gln Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Thr Met
468 145     150     155     160
471 Val Phe Ser Ser Tyr Ser Tyr Asp Ser Ser Glu Val Ser Leu Gln Thr
472      165     170     175
475 Gly Leu Gly Pro Asp Gly Gln Gly His Gln Glu Ile His Ile His Glu
476      180     185     190
479 Gly Thr Phe Ile Glu Asn Gly Gln Trp Glu Asn Ile His Lys Pro Ser
480      195     200     205
483 Arg Leu Ile Gln Pro Pro Gly Asp Pro Arg Gly Gly Arg Glu Gly Gln
484      210     215     220
487 Arg Gln Glu Val Ile Phe Tyr Leu Ile Ile Arg Arg Lys His His His
488 225     230     235     240
491 His His His

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/512,004

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Input Set : A:\PTO.FG.txt
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 15

VERIFICATION SUMMARY

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Input Set : A:\PTO.FG.txt

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L:23 M:270 C: Current Application Number differs, Replaced Current Application Number
L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:57 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:53
L:149 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:135
L:149 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:145
L:241 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:227
L:241 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:237
L:337 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:323
L:347 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:333
L:347 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:343
L:429 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:425